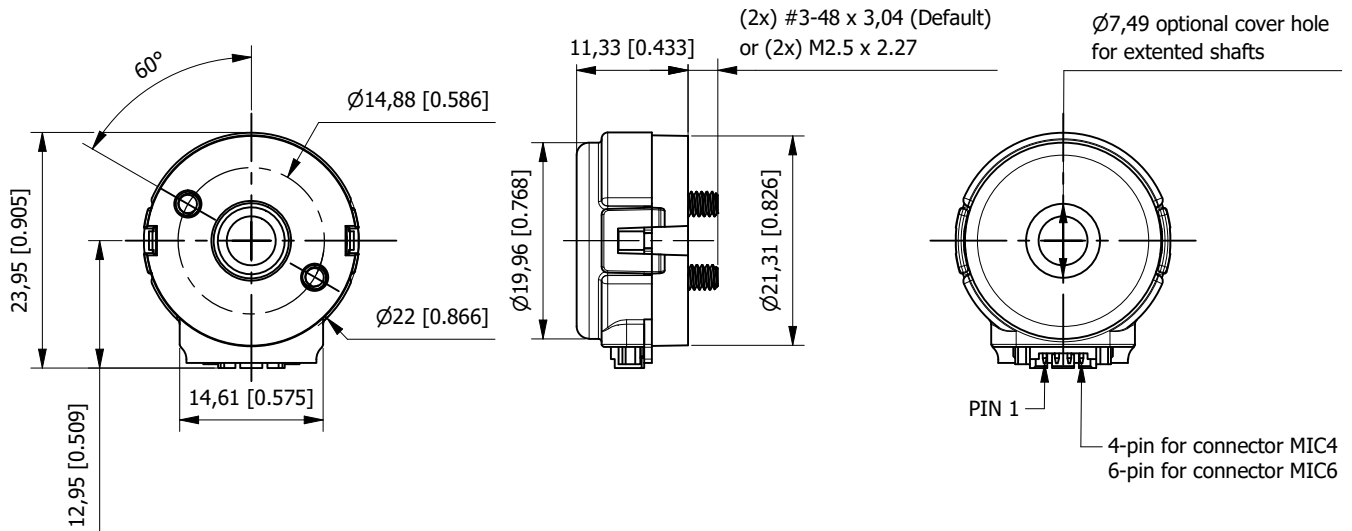


# Incremental Encoder E4

Optical - 2 channel



Specification		E4T-100	E4T-200	E4T-256	E4T-400	E4T-500	E4T-1000
Model		E4T-100	E4T-200	E4T-256	E4T-400	E4T-500	E4T-1000
Cycles per revolution	CPR	100	200	256	400	500	1000
Number of channels		2	2	2	2	2	2
Max. Frequency	kHz	100	100	100	100	100	100
Max. Speed	rpm	60'000	30'000	23'437	15'000	12'000	6'000

Available CPR: 100, 108, 120, 125, 128, 200, 250, 256, 300, 360, 400, 500, 512, 720, 800, 1000

Available with different bore options to suit all our motors

Electrical Specification		Single-Ended	Differential
Supply Voltage	V	5 $\pm$ 10%	5 $\pm$ 10%
Supply Current (CPR $\leq$ 500, no load)	mA	25-30	27-32
Supply Current (CPR > 500, no load)	mA	34-42	36-44
Low Level Input	Vmax	0,4	0,6
High Level Input	Vmin	2,4	4,75
Differential Output Voltage	Vmin	---	3
Output Rise Time	ns	100	20
Output Fall Time	ns	50	20
Phase shift	$^\circ$ e	90 $\pm$ 60	90 $\pm$ 60

Characteristics	
Item	
Operating Temperature	$^\circ$ C -20 $^\circ$ to 100 $^\circ$
Max. Shaft Axial Play	mm $\pm$ 0,254
Max. Shaft Run out	mm 0,05 T.I.R.
Max. Acceleration	rad/s <sup>2</sup> 250'000
Codewheel Moment of Inertia	gcm <sup>2</sup> 0,036
Minimum Shaft Length	mm 6,985
Maximum Shaft Length	mm 10

Connection		
Pin	Single-Ended	Differential
1	+5VDC power	Ground
2	A channel	A channel
3	Ground	A- channel
4	B channel	+5VDC power
5		B channel
6		B- channel
Mating Connector	CON-MIC4	CON-MIC6

Available with different cable options